### PATENT COOPERATION TREATY

from the NTERNATIONAL SEARCHING AUTHO	RITY			RECEIVED	
To:			PCT	15 OCT 2004	
RODNEY T. COX BOREALIS TECHNICAL LIMITED	1			VIPO PCT	
23545 NW SKYLINE BLVD		WR	ITTEN OPINION	OF THE	
NORTH PLAINS, OR 97133-9204		INTERNATIO	ONAL SEARCHII	NG AUTHORITY	
•			(PCT Rule 43bis	.1)	
•		Date of mailing (day/month/year)	13 OCT	2004	
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below	· ·	
1260		(day/mouth/wear)	Priority date (day/ma	onth/year)	
International application No. International filing date			Thorny date (==)		
PCT/US04/08974	22 March 2004 (22.03.2	2004)			
International Patent Classification (IPC) of	r both national classifica	tion and IFC		40P 52	
IPC(7): HO2P 9/04; HO2P 9/00; F02N 1	1/06; F01D 15/10; H021	K 7/18 and US CI.: 3	322/15, 45; 290/40B, 4	40R, 52	
Applicant					
BOREALIS TECHNICAL LIMITED		•			
	de la Alia Callandia a Hor	nc•			
1. This opinion contains indications rela					
Box No. I Basis of the	opinion		•		
Box No. II Priority		•	and industr	ial applicability	
Box No. III Non-establis	hment of opinion with re	egard to novelty, inv	entive step and industr	iai applications	
Box No. IV Lack of unit	Box No. IV Lack of unity of invention				
Box No. V Reasoned sta	atement under Rule 43bi; citations and explanation	s.1(a)(i) with regard ons supporting such	to novelty, inventive s statement	step or industrial	
Box No. VI Certain doct	uments cited				
Box No. VII Certain defe	ects in the international a	application		•	
Box No. VIII Certain obs	ervations on the internat	ional application			
2. FURTHER ACTION			I be considered to be	a written opinion of the	
2. FURTHER ACTION  If a demand for international prelin International Preliminary Examinin Authority other than this one to be that written opinions of this Internat	ig Authority ( in 2017)	n TPEA has notified	the International Bure	he applicant chooses an au under Rule 66.1bis(b)	
If this opinion is, as provided abov IPEA a written reply together, when mailing of Form PCT/ISA/220 or b	e, considered to be a where appropriate, with a sefore the expiration of 2	ritten opinion of the	IPEA, the applicant i	s invited to submit to the months from the date of r expires later.	
For further options, see Form PCT	/ISA/220.				
3. For further details, see notes to For	m PCT/ISA/220.				
Name and mailing address of the ISA/	US	Authorized off	icer		
Mail Stop PCT, Atm: ISA/US		Darren Schut	perg ///	M-B-	
Commissioner for Patents P.O. Box 1450			(202) 200 0056		
Alexandria, Virginia 22313-1450		Telephone No.	. (703) 308-0956		
Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (Janua	ry 2004)		<del>-</del>		

International application No.
PCT/US04/08974

Box No.	I Basis of this opinion
it was fi	gard to the language, this opinion has been established on the basis of the international application in the language in which led, unless otherwise indicated under this item.
Т	his opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
a With re	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:
a. t	ype of material
{	a sequence listing
	table(s) related to the sequence listing
<b>b.</b> 1	format of material
· [	in written format
1	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
·	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additi	onal comments:
	•
	•
	·

International application No.
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1. Staten	nent			
	Novelty (N)	Claims	NONE	YES
	Trovoity (1-1)	Claims	1-93	NO
	Inventive step (IS)	Claims	NONE	YES
Mivelitive stop (25)	Claims	1-93	, NO	
	Industrial applicability (IA)	Claims	1-93	YES
industrial applicability (171)	Claims		NO.	

Bansai et al discloses a control system having a prime mover 16, a generator 30, a rectifier 32 and a controller 55 (see figure 1). However, Bansai et al does not disclose having a controller between a generator and a load. On the other hand, Rajashekara et al discloses a controller 50 between generator 14 and power load 33 (see figure 1).

Form PCT/ISA/237 (Box No. V) (January 2004)

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INTERNATIONAL SEARCHING AUTHORITY	PCT 15 OCT 2004				
To: RODNEY T. COX	DOT				
BOREALIS TECHNICAL LIMITED	IVVIPO				
23545 NW SKYLINE BLVD NORTH PLAINS, OR 97133-9204	WRITTEN OPINION OF THE				
NORTH FLAMO, OR 7/133 720	INTERNATIONAL SEARCHING AUTHORITY				
·	(PCT Rule 43bis.1)				
	Date of mailing (day/month/year) 13 OCT 2004				
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraph 2 below				
1260					
International application No. Internati	onal filing date (day/month/year) Priority date (day/month/year)				
PCT/US04/08974 22 Marc	th 2004 (22.03.2004)				
International Patent Classification (IPC) or both na	ational classification and IPC				
IPC(7): HO2P 9/04; HO2P 9/00; F02N 11/06; F0	1D 15/10; H02K 7/18 and US Cl.: 322/15, 45; 290/40B, 40R, 52				
Applicant					
BOREALIS TECHNICAL LIMITED					
1. This opinion contains indications relating to the	ne following items:				
Box No. I Basis of the opinion					
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of inve					
Box No. V  Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain documents c	ited				
Box No. VII Certain defects in th	e international application				
· · · · · · · · · · · · · · · · · · ·	s on the international application				
2. FURTHER ACTION					
If a demand for international preliminary ex	camination is made, this opinion will be considered to be a written opinion of the prity ("IPEA") except that this does not apply where the applicant chooses an another and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) arching Authority will not be so considered.				
mailing of Form PCT/ISA/220 or before the	dered to be a written opinion of the IPEA, the applicant is invited to submit to the propriate, with amendments, before the expiration of 3 months from the date of expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/ISA/220	}, ·				
3. For further details, see notes to Form PCT/					
Name and mailing address of the ISA/ US	Authorized officer				
Mail Stop PCT, Attn: ISA/US	Darren Schuberg				
Commissioner for Patents P.O. Box 1450	7702) 200 0056				
Alexandria, Virginia 22313-1450	Telephone No. (703) 308-0956				

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

International application No.

PCT/US04/08974

	. I Basis of this opinion	
	regard to the language, this opinion has been established on the basis of the international application in the language in w	hich
ie 1	fied unless otherwise indicated under this new.	
	This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	•
a Wish	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to t	he
a.	type of material	
	a sequence listing	
	table(s) related to the sequence listing	
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	in written format	
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	contained in international application as filed.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3. 🔲	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has be filed or furnished, the required statements that the information in the subsequent or additional copies is identical to the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	een it in
3.	filed or furnished, the required statements that the information is the appropriate, were furnished. the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	een it in
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International application No. PCT/US04/08974

ox No. V Reasoned statement under Rule	e 43 <i>bis</i> .1(a)(i)	with regard to nove	elty, inventive step or	industrial
applicability; citations and expla	anations suppor	ting such statemen	t	,
Statement	•	•		
Novelty (N)	Claims N	NONE	·.	YES
Novelly (14)	Claims <u>1</u>			NO
				YE!
Inventive step (IS)	Claims M			NO
•	Claims 1	-93		
Industrial applicability (IA)	Claims 1	-93		YE
madular approved	Claims 1	NONE		NO
aims 1 - 93 lack an inventive step under PCT Ar insai et al discloses a control system having a pri owever, Bansai et al does not disclose having a control other hand, Rajashekara et al discloses a con	ime mover 16, a g	enerator 30, a rectifier	r 32 and a controller 55 (s	see figure 1).
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